

## ABSTRACT

The present invention relates to animal feed additives, which additives comprise a monocomponent xylanase derived from a strain of *Byssochlamus*, *Chaetomium*, *Humicola*, 5 *Malbranchea*, *Mucor*, *Myceliophthora*, *Paecilomyces*, *Talaromyces*, *Thermoascus*, or *Thielavia*. In other aspects, the invention relates to monocomponent xylanase preparations, DNA constructs, recombinant expression vectors, host cells, and methods of producing monocomponent xylanase preparations.